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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/502,319

04/11/2005

Kenji Yoshida

042251

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7590

01/14/2008

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EXAMINER

FRANKLIN, JAMARA ALZAIDA

ART UNIT

PAPER NUMBER

2876

MAIL DATE

DELIVERY MODE

01/14/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

**Application No.**

10/502,319

**Applicant(s)**

YOSHIDA, KENJI

**Examiner**

Jamara A. Franklin

**Art Unit**

2876

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 September 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 1-16 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

Acknowledgment is made of the amendment filed on September 28, 2007. Claims 1-16 are currently pending.

1. This application is in condition for allowance except for the following formal matters:

#### *Specification*

2. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of **50 to 150 words**. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

#### *Claim Objections*

3. in claim 1, line 5, delete "the";

in claim 1, lines 6-7, substitute "such a dot that one piece of the lattice dots (4) which exists in the block was disposed by being shifted unidirectionally is set as a key dot (2), and" with --a dot that forms one of the lattice dots (4) which exists in the block is disposed by being shifted unidirectionally and is set as a key dot (2), and--;

in claim 1, line 12, delete "recognized";

- in claim 1, line 13, substitute "the" with --an--;
- in claim 1, line 18, substitute the first occurrence of "a" with --the--;
- in claim 3, line 2, substitute "the" with --a--;
- in claim 4, line 6, substitute "In+1" with --(In+1)--;
- in claim 9, line 3, substitute "In" with --(In)--;
- in claim 9, line 5, substitute "f" with --(f)--;
- in claim 9, line 6, substitute "Kn" with --(Kn)--;
- in claim 9, line 8, substitute "Kn" with --(Kn)--;
- in claim 10, line 5, substitute "2" with --two--;
- in claim 10, line 7, substitute "In" with --(In)--;
- in claim 10, line 8, substitute "In" with --(In)--;
- in claim 12, line 3, delete "its"; and
- in claim 13, line 3, delete "its".

Also correct any other formal errors that may exist that have not been indicated above.

Appropriate correction or clarification is required.

***Allowable Subject Matter***

4. Claims 1-16 are allowable over prior art.
5. The following is a statement of reasons for the indication of allowable subject matter: the prior art of record fails to teach or fairly suggest either alone or in combination thereof, an information input and output method by use of a dot pattern characterized in that,

on a medium surface of a printed material, a plurality of lattice dots are disposed in a rectangular shape and set as a block;

a plurality of information dots having various information are disposed by setting a key dot as a representative point, wherein an information dot is disposed at an end point of a vector, wherein a start point of the vector is set at a center surrounded by the lattice dots of four points and wherein the plurality of information dots are arranged in accordance with a predetermined rule by a dot code generation algorithm to thereby generate a dot pattern; and

the block which configures the dot pattern is imported as image data by a camera, and, from a numerical value which was calculated by digitizing the image data, information, and a program outputted.

6. As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

#### *Conclusion*

7. Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

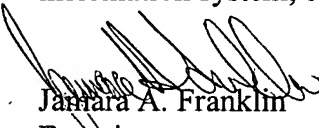
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jamara A. Franklin whose telephone number is (571) 272-2389. The examiner can normally be reached on Monday through Friday 8:00am to 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (571) 272-2398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Jamara A. Franklin  
Examiner  
Art Unit 2876

JAF  
January 04, 2008



MICHAEL G. LEE  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800